

Message Text

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ACTION OES-06

INFO OCT-01 EUR-12 ISO-00 ACDA-10 CIAE-00 INR-07 IO-13

L-03 NSAE-00 NSC-05 EB-08 NRC-07 DODE-00 ERDA-07

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-----040223Z 004390 /70

R 031520Z MAR 77

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC 4758

UNCLAS MOSCOW 2929

DEPT PASS ERDA FOR HILL AND BECKJORD

E.O. 11652: NA

TAGS: ENRG, US, UR

SUBJECT: US-USSR ATOMIC ENERGY AGREEMENT (07.02) FAST BREEDER
REACTORS

1. FOLLOWING IS INFORMAL TRANSLATION OF LETTER ARIFMETCHIKOV,
SCST, HANDED SCICOUNS FEBRUARY 2 FOR BECKJORD FROM KAZACHKOVSKIY.
ORIGINAL POUCHED ERDA FOR HILL.

2. BEGIN QUOTE. RE YOUR SUGGESTIONS CONCERNING THE PROGRAM FOR THE
JOINT US-USSR SEMINAR ON BREEDER REACTOR PHYSICS CONTAINED IN YOUR
LETTER OF JANUARY 13, I WOULD LIKE TO INFORM YOU OF THE FOLLOWING; IN
ESTABLISHMENT OF THE PROGRAM OF THE SEMINAR THE SOVIET SIDE CONSIDERS
THAT QUESTIONS ON THE DETERMINATION OF THE CHARACTERISTICS OF
BREEDING ARE CRUCIAL FOR ALL PLANNING OF BREEDER REACTORS AND THERE-
FORE DETAILED EXAMINATION OF THESE ARE OF MUTUAL INTEREST. MOREOVER
THE NECESSITY HAS LONG EXISTED FOR JOINT REVIEW OF THE RESULTS OF
WORK ON CALCULATIONS OF "A STANDARD REACTOR." THEREFORE IT IS
NOT POSSIBLE TO DISCUSS IN DETAIL ANY OF THE THREE
SUBJECTS SUGGESTED BY YOU.

3. WE THEREFORE WOULD LIKE TO DISCUSS IN DETAIL ONLY THE FIRST
SUBJECT, NAMELY "BREEDING CHARACTERISTICS OF REACTORS" IN THE PROGRAM
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WHICH WAS ORIGINALLY SUGGESTED BY US.

4. WE FULLY SHARE YOUR INTEREST IN EXAMINATION OF THE PHYSICAL
SAFETY CHARACTERISTICS OF BREEDER REACTORS AND THE COMPARISON OF
CALCULATED WITH ACTUAL WEIGHTS OF CONTROL RODS AND ARE READY TO
DISCUSS THIS DURING THE COURSE OF THE SEMINAR ON THE PHYSICS OF
BREEDER REACTORS THROUGH A SPECIAL MEETING ON INDICATED FUTURE

PROBLEMS.

5. WE UNDERSTAND THAT YOUR SUGGESTION FOR DISCUSSION OF PHYSICAL CHARACTERISTICS OF WORKING REACTORS WAS MADE BEFORE THE APPEARANCE IN THE JANUARY ISSUE OF "ATOMIC ENERGY" VOLUME 42, 1977, OF THE ARTICLE "REACTIVE EFFECTS IN THE BN-350 REACTOR" IN WHICH YOU WILL FIND ANSWERS TO SOME OF YOUR QUESTIONS.

6. WE HAVE NO OBJECTION TO THE DATE SUGGESTED BY YOU FOR THE SEMINAR; JUNE 1-3, 1977.

7. CONCERNING THE ADDITIONAL US-USSR SEMINAR ON SHIELDING IMMEDIATELY BEFORE THE INTERNATIONAL CONFERENCE ON SHIELDING IN KNOXVILLE, THIS WOULD BE DIFFICULT TO HOLD IN VIEW OF TIME LIMITATIONS FOR THE PREPARATION OF SPECIAL REPORTS. AT THE CONFERENCE THERE WILL BE PRESENTED THE FOLLOWING SOVIET REPORTS ON SHIELDING OF BREEDERS (1) M. YA. KULAKOVSKIY - EXPERIMENTAL AND CALCULATED INVESTIGATIONS OF SHIELDING OF THE BN-350.

(2) M. YA. KULAKOVSKIY - CALCULATED INVESTIGATIONS OF THE TRANSIT OF NEUTRONS IN THE SHIELDING OF BREEDER REACTORS, WHICH TO A CERTAIN EXTENT ENCOMPASSES THE SUBJECTS SUGGESTED BY YOU FOR THE JOINT SYMPOSIUM. WE SUGGEST HOLDING THE JOINT US-USSR WORKING GROUP DISCUSSION ON THE MATERIALS OF THE CONFERENCE ONE DAY AFTER THE CONFERENCE ENDS, WHICH WILL PROVIDE THE POSSIBILITY OF DEFINING MORE PRECISELY ADDITIONAL DETAILS OF INTEREST TO BOTH SIDES. WE WOULD APPRECIATE A QUICK REPLY. SINCERELY, O.D. KAZACHKOVSKIY, DIRECTOR, PHYSICO-ENERGY INSTITUTE. END QUOTE.

8. DURING MEETING ARIFMETCHIKOV WENT TO CONSIDERABLE LENGTHS TO UNCLASSIFIED

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EXPLAIN THAT SOVIET REJECTION OF BECKJORD PROPOSALS FOR JUNE 1-3 SEMINAR WERE NOT DUE TO LACK OF INTEREST BUT SIMPLY THAT TIME ALLOTTED FOR SEMINAR WOULD NOT BE SUFFICIENT TO DISCUSS ADDITIONAL TOPICS. IN RESPONSE TO SCICOUNS QUERY, ARIFMETCHIKOV STATED THE SOVIETS WOULD CONSIDER FAVORABLY ADDING ONE OR TWO DAYS TO THE SEMINAR FOR DISCUSSION OF TOPICS BECKJORD PROPOSED BUT THAT SOVIET SPECIALISTS COULD ONLY DISCUSS U.S. REPORTS; THERE IS NOT ENOUGH TIME TO PREPARE SOVIET REPORTS AS WELL.

9. EMBASSY HAS NO RECORD OF RECEIVING BECKJORD JANUARY 13 LETTER TO KAZAKOV. WOULD APPRECIATE ERDA POUCHING COPY. TOON

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Copy: SINGLE
Sent Date: 03-Mar-1977 12:00:00 am
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Decaption Note:
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
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Disposition Event:
Disposition History: n/a
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Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
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TAGS: ENRG, US, UR
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